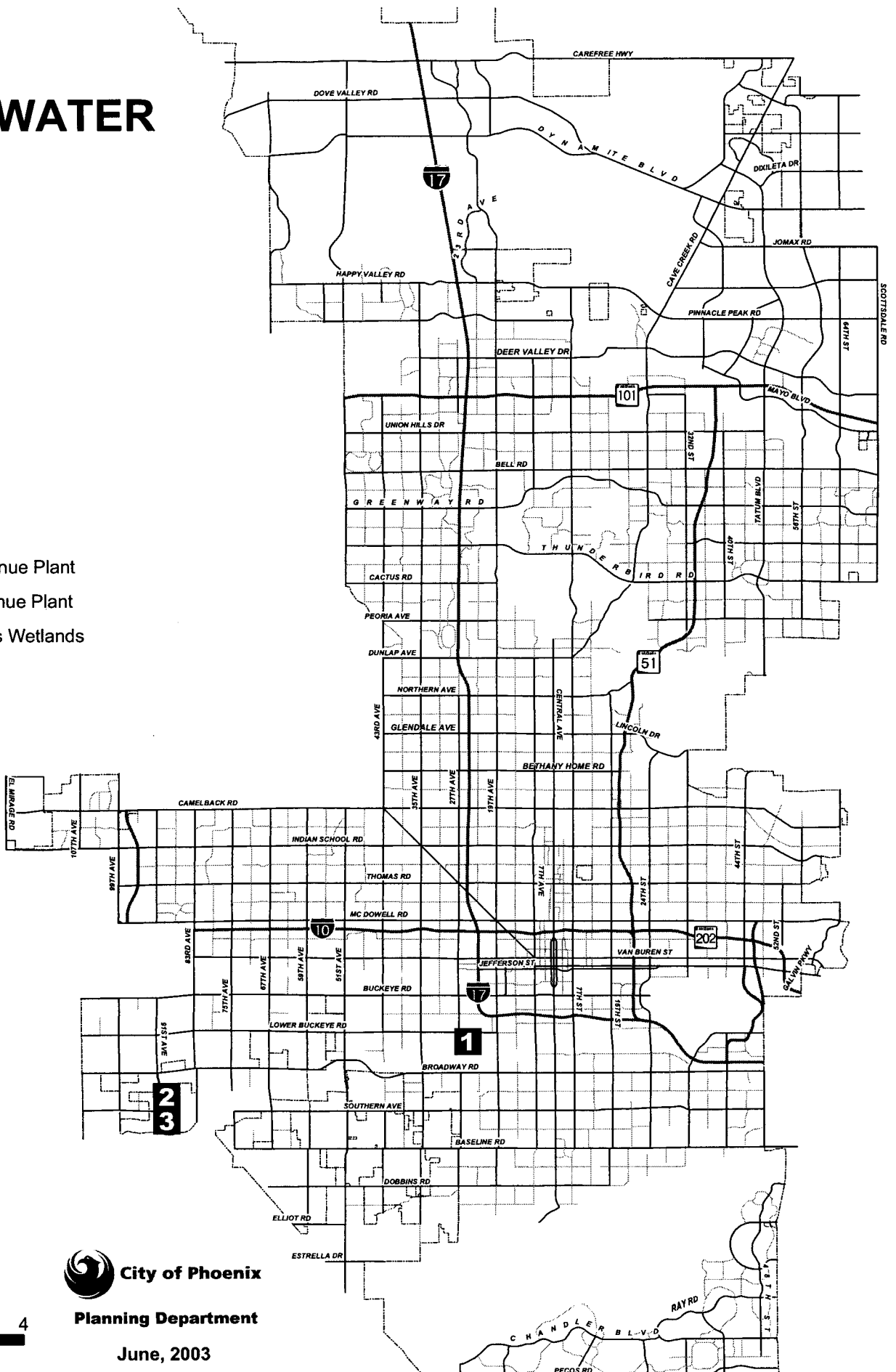


WASTEWATER

- 1** 23rd Avenue Plant
- 2** 91st Avenue Plant
- 3** Tres Rios Wetlands



City of Phoenix

Planning Department

June, 2003



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Miles

Wastewater

The Wastewater program totals \$513.1 million and is funded with wastewater operating revenue, wastewater non-profit corporation bonds, federal aid and other cities' participation in the 91st Avenue Wastewater Treatment Plant joint venture.

Major projects programmed at the 91st Avenue Wastewater Treatment Plant include support system upgrades, odor control facilities, electrical system upgrades, new thickening facilities, multi-phase sludge digestion, instrumentation and control improvements, chlorine piping replacement, metering improvements and unified plant expansion.

Rehabilitation of critical sections of the Salt River Outfall interceptor sewer owned by SROG cities.

Other major Wastewater projects include the following:

- Construction of a reuse/river restoration project at Tres Rios, including 100-year flood
- protection for the local area west of the 91st Avenue Wastewater Treatment Plant
- Construction of a secondary effluent pump station to provide effluent to the Tres Rios wetlands
- Construction of replacement sewers influent to 23rd Avenue Wastewater Treatment Plant to increase cleansing velocities and capacity
- Replacement of Chlorine piping at the 23rd Avenue Wastewater Treatment Plant
- Repair and Replacement of equipment at the 23rd Avenue Wastewater Treatment Plant
- Security improvements at the 23rd Avenue Wastewater Treatment Plant
- Construct parallel sections of the Broadway Sewer from 32nd Street to 51st Avenue to provide needed additional capacity
- Rehabilitation of selected sewers of various sizes and materials located throughout the City

2003-2008 CAPITAL IMPROVEMENT PROGRAM

Wastewater
Capital Improvement Program Summary

Project Summary	2003-04	2004-05	2005-06	2006-07	2007-08	Total
23rd Avenue Treatment Plant	\$ 7,000,000	\$ 3,425,000	\$ 10,000,000	\$ 11,200,000	\$ 3,000,000	\$ 34,625,000
91st Avenue Treatment Plant	35,340,000	6,300,000	15,901,000	8,500,000	26,000,000	92,041,000
91st Avenue Treatment Plant	1,840,000	500,000	200,000			2,540,000
Lift Stations	300,000	2,000,000	10,000,000	1,500,000	1,500,000	15,300,000
Multi-City Sewer Lines	49,730,000	33,000,000	7,000,000	45,731,680	48,615,000	184,076,680
Percent for Art	212,000	357,000	357,000	357,000	357,000	1,640,000
Phoenix Sewers	19,036,995	26,424,608	22,769,494	25,865,750	36,354,223	130,451,070
Tres Rios	1,000,000	400,000	3,900,000	7,400,000	12,000,000	24,700,000
Wastewater System Studies	2,580,000	6,550,000	7,050,000	5,850,000	5,760,000	27,790,000
Total	\$ 117,038,995	\$ 78,956,608	\$ 77,177,494	\$ 106,404,430	\$ 133,586,223	\$ 513,163,750
Source of Funds						
<u>Operating Funds</u>						
Wastewater Revenues	\$ 21,370,735	\$ 20,750,500	\$ 22,444,500	\$ 22,469,500	\$ 22,494,500	\$ 109,529,735
<u>Bond Funds</u>						
Non-profit Wastewater Bonds	\$ 57,821,797	\$ 40,152,719	\$ 41,085,194	\$ 55,402,119	\$ 79,182,596	\$ 273,644,425
<u>Other Financing</u>						
Development Impact Fees	\$ 181,538	\$ 350,000	\$ -	\$ -	\$ -	\$ 531,538
Other Cities' Share in Joint Ventures	37,664,925	17,703,389	13,647,800	28,532,811	31,909,127	129,458,052
Total Other Financing	\$ 37,846,463	\$ 18,053,389	\$ 13,647,800	\$ 28,532,811	\$ 31,909,127	\$ 129,989,590
Total Sources of Funds	\$ 117,038,995	\$ 78,956,608	\$ 77,177,494	\$ 106,404,430	\$ 133,586,223	\$ 513,163,750

City of Phoenix, Arizona
2003-2008 Capital Improvement Program
Wastewater

Project No.	Project Title	2003-04	2004-05	2005-06	2006-07	2007-08	Total
AR84900001	PUBLIC ART MASTER PLAN	Function: Percent for Art				District: Citywide	
The Public Art Masterplan will establish a five year vision for The Public Art Program and policies for program management							
Equipment or Other		15,000	-	-	-	-	15,000
Project Total		\$15,000	-	-	-	-	\$15,000
2000 Wastewater CIC Non-profit Corp Bonds		15,000	-	-	-	-	15,000
Funding Total		\$15,000	-	-	-	-	\$15,000
WS90100001	91ST AVE WWTP REPLACEMENT FUND	Function: 91st Avenue WWTP				District: Citywide	
Repair and replace 91st Avenue Wastewater Treatment Plant equipment as needed.							
Equipment or Other		4,000,000	3,000,000	3,000,000	3,000,000	3,000,000	16,000,000
Project Total		\$4,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$16,000,000
SROG Replacement Fund		2,186,000	1,639,500	1,639,500	1,639,500	1,639,500	8,744,000
SROG - Other Cities Participation		1,814,000	1,360,500	1,360,500	1,360,500	1,360,500	7,256,000
Funding Total		\$4,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$16,000,000
WS90100007	91ST AVE WWTP AUTOMATION PLAN	Function: 91st Avenue WWTP				District: Citywide	
Automation plan hardware and software equipment for the 91st Avenue Wastewater Treatment Plant.							
Study		200,000	200,000	200,000	200,000	200,000	1,000,000
Project Total		\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000
Wastewater Revenues		108,400	108,400	108,400	108,400	108,400	542,000
SROG - Other Cities Participation		91,600	91,600	91,600	91,600	91,600	458,000
Funding Total		\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000
WS90100008	91ST AVE WWTP SUPPORT SYSTEM UPGRADES	Function: 91st Avenue WWTP				District: Citywide	
Design and construct support system upgrades at the 91st Avenue Wastewater Treatment Plant to comply with building, fire and safety codes.							
Construction		-	-	-	5,000,000	-	5,000,000
Project Total		-	-	-	\$5,000,000	-	\$5,000,000
Wastewater CIC Non-profit Corp Bonds		-	-	-	2,710,000	-	2,710,000
SROG - Other Cities Participation		-	-	-	2,290,000	-	2,290,000
Funding Total		-	-	-	\$5,000,000	-	\$5,000,000
WS90100038	91ST AVE - ODOR FACILITIES	Function: 91st Avenue WWTP				District: Citywide	
Install scrubbers and primary basin covers for Plants 1, 2 and 3 at the 91st Avenue Wastewater Treatment Plant.							
Construction		-	-	-	-	5,000,000	5,000,000
Project Total		-	-	-	-	\$5,000,000	\$5,000,000
Wastewater CIC Non-profit Corp Bonds		-	-	-	-	2,710,000	2,710,000
SROG - Other Cities Participation		-	-	-	-	2,290,000	2,290,000
Funding Total		-	-	-	-	\$5,000,000	\$5,000,000
WS90100039	91ST AVE WWTP ELECTRICAL POWER RELIABILITY	Function: 91st Avenue WWTP				District: Citywide	
Upgrade electrical distribution facilities and install diesel generators for power reliability at the 91st Avenue Wastewater Treatment Plant.							
Construction		275,000	-	-	-	-	275,000
Project Total		\$275,000	-	-	-	-	\$275,000
Wastewater Revenues		149,050	-	-	-	-	149,050
SROG - Other Cities Participation		125,950	-	-	-	-	125,950
Funding Total		\$275,000	-	-	-	-	\$275,000

City of Phoenix, Arizona
2003-2008 Capital Improvement Program
Wastewater

Project No.	Project Title	2003-04	2004-05	2005-06	2006-07	2007-08	Total
WS90100042	91ST AVE WWTP - WASTE THICKENING FACILITIES	Function: 91st Avenue WWTP				District: Citywide	
Construct waste activated sludge thickening facilities at the 91st Avenue Wastewater Treatment Plant.							
Estimated full-year ongoing operating costs: \$272,000							
Construction		125,000	-	-	-	-	125,000
Project Total		\$125,000	-	-	-	-	\$125,000
Wastewater Revenues		67,750	-	-	-	-	67,750
SROG - Other Cities Participation		57,250	-	-	-	-	57,250
Funding Total		\$125,000	-	-	-	-	\$125,000
WS90100047	91ST AVE BUFFER LAND	Function: 91st Avenue WWTP				District: Citywide	
Acquire buffer land for the 91st Avenue Wastewater Treatment Plant.							
Land Acquisition		2,000,000	-	-	-	-	2,000,000
Project Total		\$2,000,000	-	-	-	-	\$2,000,000
SROG - Other Cities Participation		916,000	-	-	-	-	916,000
2004 CIC Wastewater Bonds		1,084,000	-	-	-	-	1,084,000
Funding Total		\$2,000,000	-	-	-	-	\$2,000,000
WS90100048	91ST AVE WWTP MASTER AS-BUILT DOCUMENTS	Function: 91st Avenue WWTP				District: Citywide	
Develop a master file of as-built drawings for the 91st Avenue Wastewater Treatment Plant.							
Construction		-	500,000	500,000	-	-	1,000,000
Project Total		-	\$500,000	\$500,000	-	-	\$1,000,000
Wastewater CIC Non-profit Corp Bonds		-	271,000	271,000	-	-	542,000
SROG - Other Cities Participation		-	229,000	229,000	-	-	458,000
Funding Total		-	\$500,000	\$500,000	-	-	\$1,000,000
WS90100049	INFLUENT METERING STATION UPGRADE	Function: 91st Avenue WWTP				District: Citywide	
Install new flow meters at the influent pipe metering station at the 91st Avenue Wastewater Treatment Plant.							
Design		500,000	-	-	-	-	500,000
Construction		-	2,600,000	-	-	-	2,600,000
Project Total		\$500,000	\$2,600,000	-	-	-	\$3,100,000
Wastewater Revenues		271,000	1,410,000	-	-	-	1,681,000
SROG - Other Cities Participation		229,000	1,190,000	-	-	-	1,419,000
Funding Total		\$500,000	\$2,600,000	-	-	-	\$3,100,000
WS90100050	91ST AVE WWTP - REPLACE CHLORINE PIPING	Function: 91st Avenue WWTP				District: Citywide	
Replace the chlorine piping system at the 91st Avenue Wastewater Treatment Plant.							
Construction		175,000	-	-	-	-	175,000
Project Total		\$175,000	-	-	-	-	\$175,000
SROG - Other Cities Participation		80,150	-	-	-	-	80,150
2004 CIC Wastewater Bonds		94,850	-	-	-	-	94,850
Funding Total		\$175,000	-	-	-	-	\$175,000
WS90100052	91ST AVE WWTP - TWO PHASE DIGESTER STUDY	Function: 91st Avenue WWTP				District: Citywide	
Study and construction of the two-phase digestion conversion alternatives.							
Construction		150,000	-	-	-	-	150,000
Project Total		\$150,000	-	-	-	-	\$150,000
SROG - Other Cities Participation		68,700	-	-	-	-	68,700
2004 CIC Wastewater Bonds		81,300	-	-	-	-	81,300
Funding Total		\$150,000	-	-	-	-	\$150,000

City of Phoenix, Arizona
2003-2008 Capital Improvement Program
Wastewater

Project No.	Project Title	2003-04	2004-05	2005-06	2006-07	2007-08	Total
WS90100053	91ST AVENUE IAS UPGRADE						
	Function: 91st Avenue WWTP						
	District: Citywide						
	Upgrade the information access system at the 91st Avenue Wastewater Treatment Plant.						
Construction		315,000	-	-	-	-	315,000
Project Total		\$315,000	-	-	-	-	\$315,000
SROG - Other Cities Participation		144,270	-	-	-	-	144,270
2004 CIC Wastewater Bonds		170,730	-	-	-	-	170,730
Funding Total		\$315,000	-	-	-	-	\$315,000
WS90100056	UNIFIED PLANT 01 CONSTRUCTION						
	Function: 91st Avenue WWTP						
	District: Citywide						
	Unified Plant 01 Construction.						
	Estimated full-year ongoing operating costs: \$950,000						
Construction		26,100,000	-	-	-	-	26,100,000
Project Total		\$26,100,000	-	-	-	-	\$26,100,000
SROG - Other Cities Participation		14,879,610	-	-	-	-	14,879,610
2004 CIC Wastewater Bonds		11,220,390	-	-	-	-	11,220,390
Funding Total		\$26,100,000	-	-	-	-	\$26,100,000
WS90100057	91ST AVE WWTP - UP 05 EXPANSION						
	Function: 91st Avenue WWTP						
	District: Citywide						
	Unified Plant 05 Expansion at the 91st Ave Wastewater Treatment Plant.						
Design		-	-	9,201,000	-	-	9,201,000
Construction		-	-	-	-	15,000,000	15,000,000
Project Total		-	-	\$9,201,000	-	\$15,000,000	\$24,201,000
Wastewater CIC Non-profit Corp Bonds		-	-	4,987,400	-	8,117,186	13,104,586
SROG - Other Cities Participation		-	-	4,213,600	-	6,882,814	11,096,414
Funding Total		-	-	\$9,201,000	-	\$15,000,000	\$24,201,000
WS90100058	SECURITY MASTER PLAN						
	Function: 91st Avenue WWTP						
	District: Citywide						
	Security related projects at 91st Ave WWTP.						
Construction		1,500,000	-	-	-	-	1,500,000
Project Total		\$1,500,000	-	-	-	-	\$1,500,000
Wastewater Revenues		300,000	-	-	-	-	300,000
SROG - Other Cities Participation		1,200,000	-	-	-	-	1,200,000
Funding Total		\$1,500,000	-	-	-	-	\$1,500,000
WS90100059	91ST AVE-500 KV POWER LINE RELOCATION						
	Function: 91st Avenue WWTP						
	District: Citywide						
	KV Power Line Relocation.						
Design		-	-	-	300,000	-	300,000
Construction		-	-	-	-	2,800,000	2,800,000
Project Total		-	-	-	\$300,000	\$2,800,000	\$3,100,000
Wastewater CIC Non-profit Corp Bonds		-	-	-	162,600	1,517,600	1,680,200
SROG - Other Cities Participation		-	-	-	137,400	1,282,400	1,419,800
Funding Total		-	-	-	\$300,000	\$2,800,000	\$3,100,000

City of Phoenix, Arizona
2003-2008 Capital Improvement Program
Wastewater

Project No.	Project Title	2003-04	2004-05	2005-06	2006-07	2007-08	Total
WS90100060	91ST AVE - UV DISINFECTION	Function: 91st Avenue WWTP				District: Citywide	
UV Disinfection at 91st Ave WWTP.							
Construction		-	-	3,000,000	-	-	3,000,000
Project Total		-	-	\$3,000,000	-	-	\$3,000,000
Wastewater CIC Non-profit Corp Bonds		-	-	1,626,000	-	-	1,626,000
SROG - Other Cities Participation		-	-	1,374,000	-	-	1,374,000
Funding Total		-	-	\$3,000,000	-	-	\$3,000,000
WS90120004	SPECIAL COMMITTEE STUDIES	Function: 91st Avenue WWTP Studies				District: Citywide	
Conduct mitigation studies for the 91st Avenue Wastewater Treatment Plant.							
Study		200,000	200,000	200,000	-	-	600,000
Project Total		\$200,000	\$200,000	\$200,000	-	-	\$600,000
SROG - Brogdon Settlement		200,000	200,000	200,000	-	-	600,000
Funding Total		\$200,000	\$200,000	\$200,000	-	-	\$600,000
WS90120007	SROG METERING PROCESS EVALUATION	Function: 91st Avenue WWTP Studies				District: Citywide	
Data collection and analysis at 10 locations to ensure accuracy.							
Design		600,000	-	-	-	-	600,000
Project Total		\$600,000	-	-	-	-	\$600,000
SROG - Other Cities Participation		274,800	-	-	-	-	274,800
2004 CIC Wastewater Bonds		325,200	-	-	-	-	325,200
Funding Total		\$600,000	-	-	-	-	\$600,000
WS90120017	CENTRAL ARIZONA SALINITY STUDY	Function: 91st Avenue WWTP Studies				District: Citywide	
Conduct the Central Arizona salinity study.							
Study		300,000	300,000	-	-	-	600,000
Project Total		\$300,000	\$300,000	-	-	-	\$600,000
Wastewater Revenues		163,000	163,000	-	-	-	326,000
SROG - Other Cities Participation		137,000	137,000	-	-	-	274,000
Funding Total		\$300,000	\$300,000	-	-	-	\$600,000
WS90120019	RECLAIMED WATER MARKETABILITY STUDY	Function: 91st Avenue WWTP Studies				District: Citywide	
Assess current and projected use, demand, and dollar value of reclaimed water.							
Study		500,000	-	-	-	-	500,000
Project Total		\$500,000	-	-	-	-	\$500,000
Wastewater Revenues		282,200	-	-	-	-	282,200
SROG - Other Cities Participation		217,800	-	-	-	-	217,800
Funding Total		\$500,000	-	-	-	-	\$500,000
WS90120025	RO/DEWVAPORATION PILOT PROJECT	Function: 91st Avenue WWTP Studies				District: Citywide	
Reverse Osmosis/dewvaporation pilot project.							
Design		240,000	-	-	-	-	240,000
Project Total		\$240,000	-	-	-	-	\$240,000
Wastewater Revenues		65,040	-	-	-	-	65,040
SROG - Other Cities Participation		54,960	-	-	-	-	54,960
2004 CIC Wastewater Bonds		120,000	-	-	-	-	120,000
Funding Total		\$240,000	-	-	-	-	\$240,000

City of Phoenix, Arizona
2003-2008 Capital Improvement Program
Wastewater

Project No.	Project Title	2003-04	2004-05	2005-06	2006-07	2007-08	Total
WS90140001	TRES RIOS DEMONSTRATION PROJECT	Function: Tres Rios				District: Citywide	
Cost for the Tres Rios Wetlands Demonstration Project at the confluence of the Salt, Gila, and Aqua Fria Rivers.							
Study		300,000	300,000	300,000	300,000	-	1,200,000
Project Total		\$300,000	\$300,000	\$300,000	\$300,000	-	\$1,200,000
Wastewater Revenues		54,650	54,650	54,650	54,650	-	218,600
SROG - Other Cities Participation		45,350	45,350	45,350	45,350	-	181,400
2004 CIC Wastewater Bonds		200,000	200,000	200,000	200,000	-	800,000
Funding Total		\$300,000	\$300,000	\$300,000	\$300,000	-	\$1,200,000
WS90140003	TRES RIOS LOBBYING	Function: Tres Rios				District: Citywide	
Lobbying representation for Tres Rios projects.							
Staff Time		100,000	100,000	100,000	100,000	-	400,000
Project Total		\$100,000	\$100,000	\$100,000	\$100,000	-	\$400,000
Wastewater CIC Non-profit Corp Bonds		-	54,650	54,650	54,650	-	163,950
SROG - Other Cities Participation		45,350	45,350	45,350	45,350	-	181,400
2004 CIC Wastewater Bonds		54,650	-	-	-	-	54,650
Funding Total		\$100,000	\$100,000	\$100,000	\$100,000	-	\$400,000
WS90140006	TRES RIOS - FULL SCALE PROJECT	Function: Tres Rios				District: Citywide	
Construct the full-scale Tres Rios/Recharge/Reuse Project at the 91st Avenue Wastewater Treatment Plant.							
Estimated full-year ongoing operating costs: \$430,000							
Construction		-	-	3,500,000	7,000,000	12,000,000	22,500,000
Project Total		-	-	\$3,500,000	\$7,000,000	\$12,000,000	\$22,500,000
Wastewater CIC Non-profit Corp Bonds		-	-	1,897,000	3,794,000	6,504,000	12,195,000
SROG - Other Cities Participation		-	-	1,603,000	3,206,000	5,496,000	10,305,000
Funding Total		-	-	\$3,500,000	\$7,000,000	\$12,000,000	\$22,500,000
WS90140010	TRES RIOS - AQUA FRIA RECHARGE PROJECT	Function: Tres Rios				District: Citywide	
Recharge study for the Aqua Fria River.							
Study		600,000	-	-	-	-	600,000
Project Total		\$600,000	-	-	-	-	\$600,000
SROG - Other Cities Participation		135,000	-	-	-	-	135,000
2004 CIC Wastewater Bonds		465,000	-	-	-	-	465,000
Funding Total		\$600,000	-	-	-	-	\$600,000
WS90160011	SRO SEWER ODOR STUDY	Function: Multi-City Sewer Lines				District: Citywide	
Odor study/construction for the Salt River Outfall from Scottsdale Road to 91st Avenue.							
Design		-	-	1,000,000	-	-	1,000,000
Construction		-	-	-	9,000,000	-	9,000,000
Project Total		-	-	\$1,000,000	\$9,000,000	-	\$10,000,000
Wastewater CIC Non-profit Corp Bonds		-	-	839,800	7,558,200	-	8,398,000
SROG - Other Cities Participation		-	-	160,200	1,441,800	-	1,602,000
Funding Total		-	-	\$1,000,000	\$9,000,000	-	\$10,000,000

City of Phoenix, Arizona
2003-2008 Capital Improvement Program
Wastewater

Project No.	Project Title	2003-04	2004-05	2005-06	2006-07	2007-08	Total
WS90160012	SAI ODOR STUDY	Function: Multi-City Sewer Lines				District: Citywide	
Odor study/construction for the Southern Avenue Interceptor Sewer.							
Design		-	-	1,000,000	-	-	1,000,000
Construction		-	-	-	10,000,000	-	10,000,000
Project Total		-	-	\$1,000,000	\$10,000,000	-	\$11,000,000
Wastewater Development Occupational Fee		-	-	-	1,825,000	-	1,825,000
Wastewater CIC Non-profit Corp Bonds		-	-	182,500	-	-	182,500
SROG - Other Cities Participation		-	-	817,500	8,175,000	-	8,992,500
Funding Total		-	-	\$1,000,000	\$10,000,000	-	\$11,000,000
WS90160014	UPGRADE METERING STATIONS	Function: Multi-City Sewer Lines				District: Citywide	
Upgrade metering stations for Phoenix flow only - upstream of the SROG interceptors.							
Construction		-	2,700,000	-	-	-	2,700,000
Project Total		-	\$2,700,000	-	-	-	\$2,700,000
Wastewater Development Occupational Fee		-	2,700,000	-	-	-	2,700,000
Funding Total		-	\$2,700,000	-	-	-	\$2,700,000
WS90160015	BROADWAY SEWER PARALLEL	Function: Multi-City Sewer Lines				District: 7 & 8	
Construct parallel sections of the Broadway Sewer - 32nd Street to 51st Avenue.							
Construction		-	-	-	-	1,500,000	1,500,000
Project Total		-	-	-	-	\$1,500,000	\$1,500,000
Wastewater CIC Non-profit Corp Bonds		-	-	-	-	1,500,000	1,500,000
Funding Total		-	-	-	-	\$1,500,000	\$1,500,000
WS90160016	SRO PARALLEL SEWER	Function: Multi-City Sewer Lines				District: 7 & 8	
Construct parallel sections of the Salt River Outfall from Hayden Road to 59th Avenue.							
Design		-	-	400,000	-	-	400,000
Construction		-	-	-	3,000,000	-	3,000,000
Project Total		-	-	\$400,000	\$3,000,000	-	\$3,400,000
Wastewater Development Occupational Fee		-	-	-	1,387,500	-	1,387,500
Wastewater CIC Non-profit Corp Bonds		-	-	185,000	-	-	185,000
SROG - Other Cities Participation		-	-	215,000	1,612,500	-	1,827,500
Funding Total		-	-	\$400,000	\$3,000,000	-	\$3,400,000
WS90160017	SAI PARALLEL	Function: Multi-City Sewer Lines				District: 7 & 8	
Construct parallel sections of the Salt River Interceptor from 56th Street to 59th Avenue.							
Construction		-	300,000	2,500,000	3,000,000	6,300,000	12,100,000
Project Total		-	\$300,000	\$2,500,000	\$3,000,000	\$6,300,000	\$12,100,000
Wastewater CIC Non-profit Corp Bonds		-	105,060	875,500	1,050,600	4,093,740	6,124,900
SROG - Other Cities Participation		-	194,940	1,624,500	1,949,400	2,206,260	5,975,100
Funding Total		-	\$300,000	\$2,500,000	\$3,000,000	\$6,300,000	\$12,100,000

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Project No.	Project Title	2003-04	2004-05	2005-06	2006-07	2007-08	Total
WS90160022	UNLINED CONCRETE SEWER ASSESSMENT - SROG	Function: Multi-City Sewer Lines			District: Citywide		
Unlined Concrete Sewer Assessment - SROG.							
Design		10,000	-	-	500,000	-	510,000
Project Total		\$10,000	-	-	\$500,000	-	\$510,000
Wastewater Revenues		4,625	-	-	-	-	4,625
Wastewater CIC Non-profit Corp Bonds		-	-	-	231,250	-	231,250
SROG - Other Cities Participation		5,375	-	-	268,750	-	274,125
Funding Total		\$10,000	-	-	\$500,000	-	\$510,000
WS90160024	LINED CONCRETE SEWER ASSESSMENT	Function: Multi-City Sewer Lines			District: Citywide		
Lined Concrete Sewer Assessment (SROG).							
Study		760,000	-	-	-	800,000	1,560,000
Project Total		\$760,000	-	-	-	\$800,000	\$1,560,000
Wastewater Revenues		351,500	-	-	-	-	351,500
Wastewater CIC Non-profit Corp Bonds		-	-	-	-	370,000	370,000
SROG - Other Cities Participation		408,500	-	-	-	430,000	838,500
Funding Total		\$760,000	-	-	-	\$800,000	\$1,560,000
WS90160028	SALT RIVER OUTFALL REHAB	Function: Multi-City Sewer Lines			District: Citywide		
Second contract for rehabilitation of SRO sewer from Tempe Town Lake to Airport - CM@Risk.							
Construction		16,250,000	4,900,000	-	18,131,680	19,425,000	58,706,680
Project Total		\$16,250,000	\$4,900,000	-	\$18,131,680	\$19,425,000	\$58,706,680
Wastewater CIC Non-profit Corp Bonds		-	3,500,000	-	12,951,200	13,875,000	30,326,200
SROG - Other Cities Participation		3,250,000	1,400,000	-	5,180,480	5,550,000	15,380,480
2004 CIC Wastewater Bonds		13,000,000	-	-	-	-	13,000,000
Funding Total		\$16,250,000	\$4,900,000	-	\$18,131,680	\$19,425,000	\$58,706,680
WS90160034	SEWER REHAB-BROADWAY	Function: Multi-City Sewer Lines			District: 7		
Rehabilitate approx. 10,500 feet of 90-inch Salt River Outfall sewer in Broadway Rd. between 59th and 75th Avenue.							
Construction		-	-	-	-	16,315,000	16,315,000
Project Total		-	-	-	-	\$16,315,000	\$16,315,000
Wastewater CIC Non-profit Corp Bonds		-	-	-	-	13,587,132	13,587,132
SROG - Other Cities Participation		-	-	-	-	2,727,868	2,727,868
Funding Total		-	-	-	-	\$16,315,000	\$16,315,000
WS90160035	SEWER REHAB-79TH AVE	Function: Multi-City Sewer Lines			District: 7		
Rehabilitate approximately 1,860 feet of 72 inch Salt River Outfall sewer on Broadway Rd between 79th Ave and 83rd Avenue.							
Construction		-	-	-	-	3,175,000	3,175,000
Project Total		-	-	-	-	\$3,175,000	\$3,175,000
Wastewater CIC Non-profit Corp Bonds		-	-	-	-	1,453,515	1,453,515
SROG - Other Cities Participation		-	-	-	-	1,721,485	1,721,485
Funding Total		-	-	-	-	\$3,175,000	\$3,175,000

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Project No.	Project Title	2003-04	2004-05	2005-06	2006-07	2007-08	Total
WS90160036	SRO SANITARY SEWER R						
	Function: Multi-City Sewer Lines						
	District: 7 & 8						
	Rehabilitation of 48" to 81" unlined concrete sewers in the SRO. Highest priority segments between 59th Ave and Broadway to the upper limit of the SRO north of Tempe Town Lake near Indian Bend Wash.						
Construction		-	23,000,000	-	-	-	23,000,000
Project Total		-	\$23,000,000	-	-	-	\$23,000,000
Wastewater CIC Non-profit Corp Bonds		-	13,446,521	-	-	-	13,446,521
SROG - Other Cities Participation		-	9,553,479	-	-	-	9,553,479
Funding Total		-	\$23,000,000	-	-	-	\$23,000,000
WS90160037	SEWER CLEANING						
	Function: Multi-City Sewer Lines						
	District: Citywide						
	Sewer Cleaning of SAI and SRO reinforced concrete pipe.						
Construction		200,000	200,000	200,000	200,000	200,000	1,000,000
Project Total		\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000
Wastewater Revenues		108,400	-	-	-	-	108,400
Wastewater CIC Non-profit Corp Bonds		-	108,400	108,400	108,400	108,400	433,600
SROG - Other Cities Participation		91,600	91,600	91,600	91,600	91,600	458,000
Funding Total		\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000
WS90160038	SEWER CLEANING						
	Function: Multi-City Sewer Lines						
	District: 7						
	Sewer Cleaning of sewer main in 99th Avenue.						
Construction		200,000	200,000	200,000	200,000	200,000	1,000,000
Project Total		\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000
Wastewater Revenues		108,400	-	-	-	-	108,400
Wastewater CIC Non-profit Corp Bonds		-	108,400	108,400	108,400	108,400	433,600
SROG - Other Cities Participation		91,600	91,600	91,600	91,600	91,600	458,000
Funding Total		\$200,000	\$200,000	\$200,000	\$200,000	\$200,000	\$1,000,000
WS90160039	LINED CONCRETE REHAB						
	Function: Multi-City Sewer Lines						
	District: 7						
	Rehabilitation of sewer main at the Southern Ave Interceptor and 99th Avenue.						
Construction		-	1,000,000	1,000,000	1,000,000	-	3,000,000
Project Total		-	\$1,000,000	\$1,000,000	\$1,000,000	-	\$3,000,000
Wastewater CIC Non-profit Corp Bonds		-	542,000	542,000	542,000	-	1,626,000
SROG - Other Cities Participation		-	458,000	458,000	458,000	-	1,374,000
Funding Total		-	\$1,000,000	\$1,000,000	\$1,000,000	-	\$3,000,000
WS90160041	SROG CROWN SPRAY PROGRAM						
	Function: Multi-City Sewer Lines						
	District: Citywide						
	SROG Crown Spray program.						
Construction		710,000	700,000	700,000	700,000	700,000	3,510,000
Project Total		\$710,000	\$700,000	\$700,000	\$700,000	\$700,000	\$3,510,000
Wastewater Revenues		328,375	325,000	325,000	325,000	325,000	1,628,375
SROG - Other Cities Participation		381,625	375,000	375,000	375,000	375,000	1,881,625
Funding Total		\$710,000	\$700,000	\$700,000	\$700,000	\$700,000	\$3,510,000

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Project No.	Project Title	2003-04	2004-05	2005-06	2006-07	2007-08	Total
WS90160045	SEWER REHAB A13 - 59TH AVE FROM LOWER BUCKEYE RD TO ELWOOD	Function: Multi-City Sewer Lines				District: 7	
Rehabilitate approx 2,700 ft of 81" Salt River Outfall sewer on 59th Ave and Lower Buckeye to Elwood.							
Construction		4,900,000	-	-	-	-	4,900,000
Project Total		\$4,900,000	-	-	-	-	\$4,900,000
SROG - Other Cities Participation		802,130	-	-	-	-	802,130
2004 CIC Wastewater Bonds		4,097,870	-	-	-	-	4,097,870
Funding Total		\$4,900,000	-	-	-	-	\$4,900,000
WS90160046	SEWER REHAB A14 - 59TH AVE FROM ELWOOD TO BROADWAY RD	Function: Multi-City Sewer Lines				District: 7	
Rehabilitate approx. 2,600 ft of Salt River Outfall sewer on 59th Ave from Elwood to Broadway.							
Construction		4,800,000	-	-	-	-	4,800,000
Project Total		\$4,800,000	-	-	-	-	\$4,800,000
SROG - Other Cities Participation		785,760	-	-	-	-	785,760
2004 CIC Wastewater Bonds		4,014,240	-	-	-	-	4,014,240
Funding Total		\$4,800,000	-	-	-	-	\$4,800,000
WS90160047	SEWER REHAB A15-LOWER BUCKEYE FROM 53RD TO 59TH AVE	Function: Multi-City Sewer Lines				District: 7	
Rehabilitate approx 4,000 ft of 87" Salt River Outfall sewer on Lower Buckeye Rd from 53rd to 59th Avenue.							
Construction		7,500,000	-	-	-	-	7,500,000
Project Total		\$7,500,000	-	-	-	-	\$7,500,000
SROG - Other Cities Participation		1,309,500	-	-	-	-	1,309,500
2004 CIC Wastewater Bonds		6,190,500	-	-	-	-	6,190,500
Funding Total		\$7,500,000	-	-	-	-	\$7,500,000
WS90160048	SEWER REHAB A16-LOWER BUCKEYE FROM 49TH AVE TO 53RD AVE	Function: Multi-City Sewer Lines				District: 7	
Rehabilitate approx. 2,600 ft of 87" Salt River Outfall sewer on Lower Buckeye Rd from 49th to 53rd Avenue.							
Construction		5,000,000	-	-	-	-	5,000,000
Project Total		\$5,000,000	-	-	-	-	\$5,000,000
SROG - Other Cities Participation		895,500	-	-	-	-	895,500
2004 CIC Wastewater Bonds		4,104,500	-	-	-	-	4,104,500
Funding Total		\$5,000,000	-	-	-	-	\$5,000,000
WS90160049	REHAB A17 - WATKINS FROM 12TH ST TO 16TH ST	Function: Multi-City Sewer Lines				District: 7	
Rehabilitate approx 3,000 ft of 69" Salt River Outfall sewer on Watkins from 12th St to 16th St.							
Construction		4,700,000	-	-	-	-	4,700,000
Project Total		\$4,700,000	-	-	-	-	\$4,700,000
SROG - Other Cities Participation		3,394,340	-	-	-	-	3,394,340
2004 CIC Wastewater Bonds		1,305,660	-	-	-	-	1,305,660
Funding Total		\$4,700,000	-	-	-	-	\$4,700,000

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Project No.	Project Title	2003-04	2004-05	2005-06	2006-07	2007-08	Total
WS90160050	SEWER REHAB A18 - LOWER BUCKEYE FROM 41ST AVE TO 45TH AVE	Function: Multi-City Sewer Lines				District: 7	
Rehabilitate approx 2,600 ft of 81" and 87" Salt River Outfall sewer on Lower Buckeye from 41st Ave to 45th Avenue.							
Construction		4,700,000	-	-	-	-	4,700,000
Project Total		\$4,700,000	-	-	-	-	\$4,700,000
SROG - Other Cities Participation		2,726,470	-	-	-	-	2,726,470
2004 CIC Wastewater Bonds		1,973,530	-	-	-	-	1,973,530
Funding Total		\$4,700,000	-	-	-	-	\$4,700,000
WS90200001	23RD AVE WWTP REPLACEMENT FUND	Function: 23rd Avenue WWTP				District: Citywide	
Repair and replace 23rd Avenue Wastewater Treatment Plant equipment as needed.							
Equipment or Other		1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
Project Total		\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$5,000,000
Wastewater Replacement - 23rd Avenue WWTP		1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000
Funding Total		\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$5,000,000
WS90200026	INFLUENT PIPING PHASE II	Function: 23rd Avenue WWTP				District: Citywide	
Construct sewers to increase the capacity of plant influent piping at the 23rd Avenue Wastewater Treatment Plant.							
Design		-	2,000,000	-	-	-	2,000,000
Construction		-	-	9,000,000	9,000,000	-	18,000,000
Project Total		-	\$2,000,000	\$9,000,000	\$9,000,000	-	\$20,000,000
Wastewater Revenues		-	-	-	6,350,000	-	6,350,000
Wastewater CIC Non-profit Corp Bonds		-	2,000,000	9,000,000	2,650,000	-	13,650,000
Funding Total		-	\$2,000,000	\$9,000,000	\$9,000,000	-	\$20,000,000
WS90200027	23RD AVE WWTP - OPERABILITY PHASE II	Function: 23rd Avenue WWTP				District: Citywide	
Phase II operational improvements to increase plant efficiency at the 23rd Avenue Wastewater Treatment Plant.							
Construction		-	-	-	200,000	2,000,000	2,200,000
Project Total		-	-	-	\$200,000	\$2,000,000	\$2,200,000
Wastewater Revenues		-	-	-	-	1,055,000	1,055,000
Wastewater CIC Non-profit Corp Bonds		-	-	-	200,000	945,000	1,145,000
Funding Total		-	-	-	\$200,000	\$2,000,000	\$2,200,000
WS90200028	23RD AVE WWTP - REPLACE CHLORINE PIPING	Function: 23rd Avenue WWTP				District: Citywide	
Replace chlorine piping at the 23rd Avenue Wastewater Treatment Plant.							
Construction		175,000	-	-	-	-	175,000
Project Total		\$175,000	-	-	-	-	\$175,000
Wastewater Revenues		175,000	-	-	-	-	175,000
Funding Total		\$175,000	-	-	-	-	\$175,000
WS90200030	23RD AVE WWTP MASTER AS-BUILT DOCUMENTS	Function: 23rd Avenue WWTP				District: Citywide	
Develop a master file of plant as-built drawings for the 23rd Avenue Wastewater Treatment Plant.							
Construction		425,000	425,000	-	-	-	850,000
Project Total		\$425,000	\$425,000	-	-	-	\$850,000
Wastewater CIC Non-profit Corp Bonds		-	425,000	-	-	-	425,000
2004 CIC Wastewater Bonds		425,000	-	-	-	-	425,000
Funding Total		\$425,000	\$425,000	-	-	-	\$850,000

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Project No.	Project Title	2003-04	2004-05	2005-06	2006-07	2007-08	Total
WS90200032	23RD AVENUE WWTP DCS REPLACEMENT	Function: 23rd Avenue WWTP				District: Citywide	
Replace the distributed control system at the 23rd Avenue Wastewater Treatment Plant.							
Construction		400,000	-	-	-	-	400,000
Project Total		\$400,000	-	-	-	-	\$400,000
Wastewater Revenues		400,000	-	-	-	-	400,000
Funding Total		\$400,000	-	-	-	-	\$400,000
WS90200033	23RD AVE WWTP-3 PHASE	Function: 23rd Avenue WWTP				District: Citywide	
23rd Ave WWTP-3 Phase Digester Conversion.							
Construction		-	-	-	1,000,000	-	1,000,000
Project Total		-	-	-	\$1,000,000	-	\$1,000,000
Wastewater CIC Non-profit Corp Bonds		-	-	-	1,000,000	-	1,000,000
Funding Total		-	-	-	\$1,000,000	-	\$1,000,000
WS90200034	SECURITY MASTER PLAN	Function: 23rd Avenue WWTP				District: Citywide	
Security related projects at 23rd Ave WWTP.							
Construction		5,000,000	-	-	-	-	5,000,000
Project Total		\$5,000,000	-	-	-	-	\$5,000,000
Wastewater Revenues		5,000,000	-	-	-	-	5,000,000
Funding Total		\$5,000,000	-	-	-	-	\$5,000,000
WS90400018	LIFT STATION/IMPROVEMENT	Function: Lift Stations				District: 7	
Lift Station/Improvements designated in the Master Plan (3 Lift Stations in the Estrella growth area.)							
Estimated full-year ongoing operating costs: \$29,000							
Construction		-	2,000,000	10,000,000	1,500,000	1,500,000	15,000,000
Project Total		-	\$2,000,000	\$10,000,000	\$1,500,000	\$1,500,000	\$15,000,000
Wastewater Revenues		-	1,801,502	6,350,000	-	1,067,568	9,219,070
Wastewater CIC Non-profit Corp Bonds		-	198,498	3,650,000	1,500,000	432,432	5,780,930
Funding Total		-	\$2,000,000	\$10,000,000	\$1,500,000	\$1,500,000	\$15,000,000
WS90400019	LIFT STATION - 107TH AVE ROESER	Function: Lift Stations				District: 7	
Purchase two acres of land at 107th Ave and Roeser Rd for a future lift station and an easement.							
Land Acquisition		300,000	-	-	-	-	300,000
Project Total		\$300,000	-	-	-	-	\$300,000
2004 CIC Wastewater Bonds		300,000	-	-	-	-	300,000
Funding Total		\$300,000	-	-	-	-	\$300,000
WS90500012	SEWER MAIN REPLACEMENT	Function: Phoenix Sewers				District: Citywide	
Replace deteriorated sewer mains and manholes ahead of street paving projects.							
Construction		250,000	250,000	250,000	250,000	275,000	1,275,000
Project Total		\$250,000	\$250,000	\$250,000	\$250,000	\$275,000	\$1,275,000
Wastewater System Replacement - Lines		250,000	250,000	250,000	250,000	275,000	1,275,000
Funding Total		\$250,000	\$250,000	\$250,000	\$250,000	\$275,000	\$1,275,000

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Project No.	Project Title	2003-04	2004-05	2005-06	2006-07	2007-08	Total
WS90500013	SEWER SERVICE CONNECTIONS	Function: Phoenix Sewers				District: Citywide	
Install new sewer connections using city forces.							
Staff Time		250,000	270,000	270,000	270,000	270,000	1,330,000
Project Total		\$250,000	\$270,000	\$270,000	\$270,000	\$270,000	\$1,330,000
Wastewater Revenues		250,000	270,000	270,000	270,000	270,000	1,330,000
Funding Total		\$250,000	\$270,000	\$270,000	\$270,000	\$270,000	\$1,330,000
WS90500021	SEWERS AHEAD OF STREET IMPROVEMENTS	Function: Phoenix Sewers				District: Citywide	
Construct sanitary sewers ahead of street construction.							
Construction		250,000	250,000	250,000	250,000	250,000	1,250,000
Project Total		\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000
Wastewater Revenues		-	150,000	250,000	-	-	400,000
Wastewater Development Occupational Fee		250,000	100,000	-	250,000	250,000	850,000
Funding Total		\$250,000	\$250,000	\$250,000	\$250,000	\$250,000	\$1,250,000
WS90500023	CONTINGENCIES	Function: Phoenix Sewers				District: Citywide	
Construction contingency for Wastewater projects.							
Construction		7,755,457	6,597,608	2,824,494	7,420,750	5,684,223	30,282,532
Project Total		\$7,755,457	\$6,597,608	\$2,824,494	\$7,420,750	\$5,684,223	\$30,282,532
Wastewater Revenues		592,345	503,448	672,494	708,269	1,119,032	3,595,588
Wastewater CIC Non-profit Corp Bonds		-	3,854,190	1,500,000	5,000,000	3,253,191	13,607,381
SROG - Other Cities Participation		2,805,735	2,239,970	652,000	1,712,481	1,312,000	8,722,186
2004 CIC Wastewater Bonds		4,357,377	-	-	-	-	4,357,377
Funding Total		\$7,755,457	\$6,597,608	\$2,824,494	\$7,420,750	\$5,684,223	\$30,282,532
WS90500027	AUTOMATION PLAN	Function: Phoenix Sewers				District: Citywide	
Automation plan equipment purchases for Wastewater Collections and the 23rd Ave WWTP (Phoenix).							
Equipment or Other		25,000	25,000	25,000	25,000	25,000	125,000
Project Total		\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000
Wastewater Revenues		25,000	25,000	25,000	25,000	25,000	125,000
Funding Total		\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$125,000
WS90500062	CENTRAL PHOENIX SEWERS	Function: Phoenix Sewers				District: Citywide	
Construct sewers to increase system capacity in Central Phoenix by equalizing flows.							
Construction		3,000,000	2,200,000	-	-	-	5,200,000
Project Total		\$3,000,000	\$2,200,000	-	-	-	\$5,200,000
Wastewater Development Occupational Fee		3,000,000	2,200,000	-	-	-	5,200,000
Funding Total		\$3,000,000	\$2,200,000	-	-	-	\$5,200,000
WS90500084	CAVE CREEK/REACH 11 PARALLEL SEWER	Function: Phoenix Sewers				District: 2	
Construction of parallel sections of sewer on Cave Creek Road and north of the Central Arizona Project Canal (Reach 11).							
Construction		-	-	6,000,000	6,000,000	3,000,000	15,000,000
Project Total		-	-	\$6,000,000	\$6,000,000	\$3,000,000	\$15,000,000
Wastewater Revenues		-	-	1,000,000	2,888,681	-	3,888,681
Wastewater Development Occupational Fee		-	-	5,000,000	19,900	2,250,000	7,269,900
Wastewater CIC Non-profit Corp Bonds		-	-	-	3,091,419	750,000	3,841,419
Funding Total		-	-	\$6,000,000	\$6,000,000	\$3,000,000	\$15,000,000

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Project No.	Project Title	2003-04	2004-05	2005-06	2006-07	2007-08	Total
WS90500086	LARGE DIAMETER SEWER REHABILITATION	Function: Phoenix Sewers				District: Citywide	
Replace or install new linings in 15-inch to 42-inch vitrified clay pipe sewers.							
Construction		-	-	-	-	6,000,000	6,000,000
Project Total		-	-	-	-	\$6,000,000	\$6,000,000
Wastewater CIC Non-profit Corp Bonds		-	-	-	-	6,000,000	6,000,000
Funding Total		-	-	-	-	\$6,000,000	\$6,000,000
WS90500090	DESERT VIEW INFRASTRUCTURE-DESERT VIEW AREA	Function: Phoenix Sewers				District: 2	
Construct infrastructure in Desert View Area.							
Construction		181,538	350,000	-	-	-	531,538
Project Total		\$181,538	\$350,000	-	-	-	\$531,538
Desert View Wastewater Impact Fees		181,538	350,000	-	-	-	531,538
Funding Total		\$181,538	\$350,000	-	-	-	\$531,538
WS90500096	PHOENIX SEWER CROWN SPRAY PROGRAM	Function: Phoenix Sewers				District: Citywide	
Crown spray Phoenix sanitary sewers.							
Construction		-	-	-	-	700,000	700,000
Project Total		-	-	-	-	\$700,000	\$700,000
Wastewater Revenues		-	-	-	-	350,000	350,000
Wastewater CIC Non-profit Corp Bonds		-	-	-	-	350,000	350,000
Funding Total		-	-	-	-	\$700,000	\$700,000
WS90500102	TECHNICAL SUPPORT GPS	Function: Phoenix Sewers				District: Citywide	
GPS locations for infrastructure and related facilities for the Technical Support Division.							
Staff Time		-	-	-	-	500,000	500,000
Project Total		-	-	-	-	\$500,000	\$500,000
Wastewater Revenues		-	-	-	-	500,000	500,000
Funding Total		-	-	-	-	\$500,000	\$500,000
WS90500103	38TH ST-GRANDVIEW	Function: Phoenix Sewers				District: 2	
Improvement District 38th St/Grandview.							
Construction		50,000	-	-	-	-	50,000
Project Total		\$50,000	-	-	-	-	\$50,000
Wastewater Revenues		50,000	-	-	-	-	50,000
Funding Total		\$50,000	-	-	-	-	\$50,000
WS90500105	WHITE GATES/RED ROCK	Function: Phoenix Sewers				District: 6	
Improvement District-White Gates/Red Rock Drive.							
Construction		650,000	-	-	-	-	650,000
Project Total		\$650,000	-	-	-	-	\$650,000
2004 CIC Wastewater Bonds		650,000	-	-	-	-	650,000
Funding Total		\$650,000	-	-	-	-	\$650,000

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Project No.	Project Title	2003-04	2004-05	2005-06	2006-07	2007-08	Total
WS90500106	PHOENIX LINED CONCRETE SEWER REHABILITATION	Function: Phoenix Sewers				District: Citywide	
Rehabilitation of 30 inch to 90 inch sewers.							
Construction		500,000	1,500,000	-	-	-	2,000,000
Project Total		\$500,000	\$1,500,000	-	-	-	\$2,000,000
Wastewater CIC Non-profit Corp Bonds		-	1,500,000	-	-	-	1,500,000
2004 CIC Wastewater Bonds		500,000	-	-	-	-	500,000
Funding Total		\$500,000	\$1,500,000	-	-	-	\$2,000,000
WS90500107	SEWER RELOCATIONS FOR LIGTH RAIL	Function: Phoenix Sewers				District: Citywide	
Sewer relocations for light rail transit.							
Construction		1,025,000	-	-	-	-	1,025,000
Project Total		\$1,025,000	-	-	-	-	\$1,025,000
Wastewater Development Occupational Fee		1,025,000	-	-	-	-	1,025,000
Funding Total		\$1,025,000	-	-	-	-	\$1,025,000
WS90500108	LAVERN SEWERS	Function: Phoenix Sewers				District: 7	
Construct sewer main extensions for Lavern future growth.							
Construction		-	-	-	3,000,000	3,000,000	6,000,000
Project Total		-	-	-	\$3,000,000	\$3,000,000	\$6,000,000
Wastewater Development Occupational Fee		-	-	-	1,517,600	-	1,517,600
Wastewater CIC Non-profit Corp Bonds		-	-	-	1,482,400	3,000,000	4,482,400
Funding Total		-	-	-	\$3,000,000	\$3,000,000	\$6,000,000
WS90500114	UNLINED CONCRETE REHAB-PHOENIX ONLY	Function: Phoenix Sewers				District: Citywide	
Rehabilitation of unlined concrete sewers (24"-90").							
Construction		-	9,832,000	8,000,000	3,500,000	2,500,000	23,832,000
Project Total		-	\$9,832,000	\$8,000,000	\$3,500,000	\$2,500,000	\$23,832,000
Wastewater Development Occupational Fee		-	-	-	-	2,500,000	2,500,000
Wastewater CIC Non-profit Corp Bonds		-	9,832,000	8,000,000	3,500,000	-	21,332,000
Funding Total		-	\$9,832,000	\$8,000,000	\$3,500,000	\$2,500,000	\$23,832,000
WS90500115	LINED CONCRETE REHAB - PHOENIX ONLY	Function: Phoenix Sewers				District: Citywide	
Rehabilitation of Phoenix lined concrete sewers (30"-90").							
Construction		-	3,000,000	3,000,000	3,000,000	-	9,000,000
Project Total		-	\$3,000,000	\$3,000,000	\$3,000,000	-	\$9,000,000
Wastewater Revenues		-	3,000,000	-	-	-	3,000,000
Wastewater CIC Non-profit Corp Bonds		-	-	3,000,000	3,000,000	-	6,000,000
Funding Total		-	\$3,000,000	\$3,000,000	\$3,000,000	-	\$9,000,000
WS90500118	SMALL DIAMETER SEWER REHABILITATION	Function: Phoenix Sewers				District: Citywide	
Small Diameter Sewer Rehab Program.							
Construction		-	-	-	-	12,000,000	12,000,000
Project Total		-	-	-	-	\$12,000,000	\$12,000,000
Wastewater Revenues		-	-	-	-	6,000,000	6,000,000
Wastewater CIC Non-profit Corp Bonds		-	-	-	-	6,000,000	6,000,000
Funding Total		-	-	-	-	\$12,000,000	\$12,000,000

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Project No.	Project Title	2003-04	2004-05	2005-06	2006-07	2007-08	Total
WS90500123	ESTRELLA VILLAGE TRU						
Two miles of 36" main on Broadway Rd from 75th Ave to 91st Ave.							
Design		725,000	-	-	-	-	725,000
Construction		1,725,000	-	-	-	-	1,725,000
Project Total		\$2,450,000	-	-	-	-	\$2,450,000
Wastewater Development Occupational Fee		1,725,000	-	-	-	-	1,725,000
2004 CIC Wastewater Bonds		725,000	-	-	-	-	725,000
Funding Total		\$2,450,000	-	-	-	-	\$2,450,000
WS90500125	SEWER CLEANING >24"						
Sewer Cleaning more than 24" reinforced concrete pipe.							
Construction		600,000	600,000	600,000	600,000	600,000	3,000,000
Project Total		\$600,000	\$600,000	\$600,000	\$600,000	\$600,000	\$3,000,000
Wastewater Revenues		-	-	449,456	-	-	449,456
Wastewater CIC Non-profit Corp Bonds		-	600,000	150,544	600,000	600,000	1,950,544
2004 CIC Wastewater Bonds		600,000	-	-	-	-	600,000
Funding Total		\$600,000	\$600,000	\$600,000	\$600,000	\$600,000	\$3,000,000
WS90500126	SEWER CLEANING 15" - 42" CLAY PIPE						
Sewer Cleaning 15" to 42" vitrified clay pipe Phoenix Only.							
Construction		800,000	800,000	800,000	800,000	800,000	4,000,000
Project Total		\$800,000	\$800,000	\$800,000	\$800,000	\$800,000	\$4,000,000
Wastewater CIC Non-profit Corp Bonds		-	800,000	800,000	800,000	800,000	3,200,000
2004 CIC Wastewater Bonds		800,000	-	-	-	-	800,000
Funding Total		\$800,000	\$800,000	\$800,000	\$800,000	\$800,000	\$4,000,000
WS90500127	ANNUAL SEWER EMERGENCY						
Second of two Extensions.							
Construction		750,000	750,000	750,000	750,000	750,000	3,750,000
Project Total		\$750,000	\$750,000	\$750,000	\$750,000	\$750,000	\$3,750,000
Wastewater Revenues		750,000	750,000	750,000	750,000	750,000	3,750,000
Funding Total		\$750,000	\$750,000	\$750,000	\$750,000	\$750,000	\$3,750,000
WS90500128	PHOENIX UNLINED SEWER REHAB 2003/04						
Phoenix Unlined Sewer Rehabilitation 2003/04							
Design		50,000	-	-	-	-	50,000
Construction		450,000	-	-	-	-	450,000
Project Total		\$500,000	-	-	-	-	\$500,000
2004 CIC Wastewater Bonds		500,000	-	-	-	-	500,000
Funding Total		\$500,000	-	-	-	-	\$500,000
WS90700002	MISCELLANEOUS STUDIES						
Conduct planning and perform miscellaneous studies to improve the Phoenix wastewater system.							
Study		750,000	1,000,000	1,000,000	1,000,000	1,000,000	4,750,000
Project Total		\$750,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$4,750,000
Wastewater Revenues		750,000	1,000,000	1,000,000	1,000,000	1,000,000	4,750,000
Funding Total		\$750,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$4,750,000

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Project No.	Project Title	2003-04	2004-05	2005-06	2006-07	2007-08	Total
WS90700005	ENGINEERING AND PLANNING	Function: Wastewater System Studies				District: Citywide	
Project administration and staff costs for Wastewater projects.							
Staff Time		-	3,350,000	3,500,000	3,500,000	3,500,000	13,850,000
Project Total		-	\$3,350,000	\$3,500,000	\$3,500,000	\$3,500,000	\$13,850,000
Wastewater Revenues		-	2,350,000	2,000,000	2,000,000	2,000,000	8,350,000
Wastewater CIC Non-profit Corp Bonds		-	1,000,000	1,500,000	1,500,000	1,500,000	5,500,000
Funding Total		-	\$3,350,000	\$3,500,000	\$3,500,000	\$3,500,000	\$13,850,000
WS90700010	ENVIRONMENTAL EXCELLENCE PROGRAM	Function: Wastewater System Studies				District: Citywide	
Implement Environmental Excellence Program recommendations.							
Study		880,000	650,000	1,000,000	-	-	2,530,000
Project Total		\$880,000	\$650,000	\$1,000,000	-	-	\$2,530,000
Wastewater Revenues		880,000	650,000	1,000,000	-	-	2,530,000
Funding Total		\$880,000	\$650,000	\$1,000,000	-	-	\$2,530,000
WS90700019	WASTEWATER STANDARD	Function: Wastewater System Studies				District: Citywide	
Preparation of Standard Design Specifications Manuals.							
Design		25,000	-	-	-	-	25,000
Project Total		\$25,000	-	-	-	-	\$25,000
Wastewater Revenues		25,000	-	-	-	-	25,000
Funding Total		\$25,000	-	-	-	-	\$25,000
WS90700027	PUBLIC INVOLVEMENT P	Function: Wastewater System Studies				District: Citywide	
Public Involvement and community relations plan for wastewater capital improvement projects.							
Staff Time		75,000	-	-	-	-	75,000
Project Total		\$75,000	-	-	-	-	\$75,000
Wastewater Revenues		75,000	-	-	-	-	75,000
Funding Total		\$75,000	-	-	-	-	\$75,000
WS90700031	ON-CALL CONTROL SYSTEM PROGRAMMING	Function: Wastewater System Studies				District: Citywide	
On-call consultant services for control system programming as necessary.							
Study		200,000	-	-	-	-	200,000
Project Total		\$200,000	-	-	-	-	\$200,000
Wastewater Revenues		200,000	-	-	-	-	200,000
Funding Total		\$200,000	-	-	-	-	\$200,000
WS90700032	PROCESS CONTROL UPGRADES (AUDIT)	Function: Wastewater System Studies				District: Citywide	
Process Control Upgrades at the wastewater treatment plants.							
Study		250,000	1,250,000	1,250,000	1,250,000	1,250,000	5,250,000
Project Total		\$250,000	\$1,250,000	\$1,250,000	\$1,250,000	\$1,250,000	\$5,250,000
Wastewater CIC Non-profit Corp Bonds		-	1,250,000	1,250,000	1,250,000	1,250,000	5,000,000
2004 CIC Wastewater Bonds		250,000	-	-	-	-	250,000
Funding Total		\$250,000	\$1,250,000	\$1,250,000	\$1,250,000	\$1,250,000	\$5,250,000

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Project No.	Project Title	2003-04	2004-05	2005-06	2006-07	2007-08	Total
WS90700033	WW WIRELESS FIELD	Function: Wastewater System Studies				District: Citywide	
Wastewater crew wireless automation/Hansen Field Integration/SCADA GPS GIS. Mobile device application development & support to maintain wastewater collection crews mobile filed devices and keep current.							
Design		150,000	-	-	-	-	150,000
Project Total		\$150,000	-	-	-	-	\$150,000
Wastewater Revenues		150,000	-	-	-	-	150,000
Funding Total		\$150,000	-	-	-	-	\$150,000
WS90700037	CRAO-SSO REPORT TRACKING SYSTEM	Function: Wastewater System Studies				District: Citywide	
Operations-CRAO-Sanitary Sewer Overflow Report Tracking.							
Study		-	300,000	300,000	100,000	10,000	710,000
Project Total		-	\$300,000	\$300,000	\$100,000	\$10,000	\$710,000
Wastewater Revenues		-	300,000	300,000	100,000	10,000	710,000
Funding Total		-	\$300,000	\$300,000	\$100,000	\$10,000	\$710,000
WS90700038	CIP PROJECT CONTROLS SYSTEM IMPLEMENTATION	Function: Wastewater System Studies				District: Citywide	
Phase II - Additional staffing costs as a result of CIP needs assessment study.							
Design		250,000	-	-	-	-	250,000
Project Total		\$250,000	-	-	-	-	\$250,000
Wastewater Revenues		250,000	-	-	-	-	250,000
Funding Total		\$250,000	-	-	-	-	\$250,000
WS90750000	WASTEWATER TREATMENT EDUCATION - % FOR ARTS	Function: Percent for Art				District: Citywide	
Percent for Arts project to provide wastewater treatment education.							
Staff Time		33,000	33,000	33,000	33,000	33,000	165,000
Project Total		\$33,000	\$33,000	\$33,000	\$33,000	\$33,000	\$165,000
Wastewater CIC Non-profit Corp Bonds		-	33,000	33,000	33,000	33,000	132,000
2004 CIC Wastewater Bonds		33,000	-	-	-	-	33,000
Funding Total		\$33,000	\$33,000	\$33,000	\$33,000	\$33,000	\$165,000
WS90750003	BACKFLOW PREVENTION ASSEMBLY	Function: Percent for Art				District: Citywide	
Percent for Arts project to develop artistic treatments for backflow prevention assemblies.							
Staff Time		80,000	140,000	140,000	140,000	140,000	640,000
Project Total		\$80,000	\$140,000	\$140,000	\$140,000	\$140,000	\$640,000
Wastewater CIC Non-profit Corp Bonds		-	140,000	140,000	140,000	140,000	560,000
2004 CIC Wastewater Bonds		80,000	-	-	-	-	80,000
Funding Total		\$80,000	\$140,000	\$140,000	\$140,000	\$140,000	\$640,000
WS90750005	WATER DEMONSTRATION GARDEN - % FOR ART	Function: Percent for Art				District: Citywide	
Percent for art project to develop a water demonstration garden.							
Staff Time		84,000	184,000	184,000	184,000	184,000	820,000
Project Total		\$84,000	\$184,000	\$184,000	\$184,000	\$184,000	\$820,000
Wastewater CIC Non-profit Corp Bonds		-	184,000	184,000	184,000	184,000	736,000
2004 CIC Wastewater Bonds		84,000	-	-	-	-	84,000
Funding Total		\$84,000	\$184,000	\$184,000	\$184,000	\$184,000	\$820,000